

BIOACTIVE MEDICAL FILMS**ABSTRACT**

A wound dressing, method of making, and method of use, utilizing a polymeric film having
5 complexed thereto by hydrophobic interaction a construct including a polyanion covalently bonded to a
hydrophobic prosthetic moiety, with one or more bioactive molecules directly complexed to the
polyanion. The polyanion may be heparin or a heparin-activity molecule. The prosthetic group may
include a hydrophobic silyl-containing moiety. Bioactive molecules include adhesive molecules, growth
factor molecules, and therapeutic molecules, including antibiotics.